

Title (en)

METHOD AND SYSTEM FOR AUTHENTICATION OF PAIRING BETWEEN A VEHICLE AND A MOBILE DEVICE

Title (de)

VERFAHREN UND SYSTEM ZUR AUTHENTIFIZIERUNG DES PAIRING ZWISCHEN EINEM FAHRZEUG UND EINER MOBILEN VORRICHTUNG

Title (fr)

PROCÉDÉ ET SYSTÈME D'AUTHENTIFICATION D'APPARIEMENT ENTRE UN VÉHICULE ET UN APPAREIL MOBILE

Publication

EP 3373624 A1 20180912 (EN)

Application

EP 17196778 A 20171017

Priority

TW 106107149 A 20170306

Abstract (en)

A method for pairing authentication between a vehicle (1) and a mobile device (3) is proposed. After a host computer (21) of the vehicle (1) is operated to send out a vehicle identification code for pairing and the mobile device (3) is operated to select the vehicle identification code, the host computer (21) enables both of a host display (22) of the vehicle (1) and the mobile device (3) to display a pairing code at the same time. After a pairing procedure is performed within a predetermined pairing operation period, the host computer (21) completes pairing authentication between the host computer (21) and the mobile device (3).

IPC 8 full level

H04W 12/06 (2009.01); **H04L 29/08** (2006.01); **H04W 4/80** (2018.01); **H04W 8/00** (2009.01)

CPC (source: EP US)

B60K 35/00 (2013.01 - EP US); **B60K 35/80** (2024.01 - EP); **B60K 35/85** (2024.01 - EP); **G06F 3/1423** (2013.01 - EP US); **G06F 3/147** (2013.01 - US); **G09G 5/12** (2013.01 - EP US); **H04L 67/12** (2013.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04W 12/50** (2021.01 - EP US); **H04W 76/14** (2018.01 - US); **B60K 35/80** (2024.01 - US); **B60K 35/85** (2024.01 - US); **B60K 2360/563** (2024.01 - EP US); **B60K 2360/569** (2024.01 - EP US); **B60K 2360/573** (2024.01 - EP US); **B60K 2360/586** (2024.01 - EP US); **G06F 3/04842** (2013.01 - US); **G09G 2358/00** (2013.01 - EP US); **G09G 2370/06** (2013.01 - EP US); **H04W 4/48** (2018.01 - EP US); **H04W 4/80** (2018.01 - EP US); **H04W 8/005** (2013.01 - EP US)

Citation (search report)

- [X] US 2011117845 A1 20110519 - KIRSCH DAVID MICHAEL [US], et al
- [X] "Bluetooth Pairing Instructions", 1 September 2009 (2009-09-01), pages 1 - 10, XP055164800, Retrieved from the Internet <URL:http://www.bmw.ca/ca/en/owners/navigation/bluetooth/_shared/pdf/Bluetooth_Pairing_PDF_en.pdf> [retrieved on 20150126]

Cited by

EP3896670A4; US11305731B2; EP3838730A1; US11975788B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3373624 A1 20180912; **EP 3373624 B1 20200624**; ES 2816058 T3 20210331; JP 2018144794 A 20180920; JP 6495410 B2 20190403; PH 12017000285 A1 20190128; PH 12017000285 B1 20190128; TW 201832963 A 20180916; TW I616367 B 20180301; US 10609745 B2 20200331; US 2018255592 A1 20180906

DOCDB simple family (application)

EP 17196778 A 20171017; ES 17196778 T 20171017; JP 2017197450 A 20171011; PH 12017000285 A 20171006; TW 106107149 A 20170306; US 201715784288 A 20171016